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1 mango: low-cost, scalable delivery of rich content on mobiles

Ankur Jain, Sharad Jaiswal, Anirban Majumder, Naidu K. V. M., Girija Narlikar August 2009 **MobiHeld '09: Proceedings of the 1st ACM workshop on Netw handhelds**

Publisher: ACM

Full text available: [Pdf \(446.62 KB\)](#)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 68, Downlo

We present mango, a low-cost and highly scalable content-delivery serv at emerging countries such as India where users are highly price sensit media content. ...

Keywords: CDN, mobile applications

2 Towards a software architecture for DRM

Sam Michiels, Kristof Verslype, Wouter Joosen, Bart De Decker

November 2005 **DRM '05: Proceedings of the 5th ACM workshop on Digital**

Publisher: ACM

Full text available: [Pdf \(296.34 KB\)](#)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 147, Downlo

The domain of digital rights management (DRM) is currently lacking a g interoperability and reuse of specific DRM technologies. This lack of arch of the rapid evolution ...

Keywords: DRM, software architecture

3 A survey of peer-to-peer content distribution technologies

Stephanos Androulalis-Theotokis, Dimitris Spinellis

December 2004 **Computing Surveys (CSUR)**, Volume 36 Issue 4

Publisher: ACM

Full text available: [Pdf \(517.77 KB\)](#)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 267, Downloads (12 Months): 1969, Downlo

Distributed computer architectures labeled "peer-to-peer" are designed storage, CPU cycles) by direct exchange, rather than requiring the inter

authority. ...

Keywords: Content distribution, DHT, DOLR, grid computing, p2p, peer

4 [CDNsim: A simulation tool for content distribution networks](#)

 Konstantinos Stamos, George Pallis, Athena Vakali, Dimitrios Katsaros, Ant April 2010 **Transactions on Modeling and Computer Simulation (TMC)**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (3.55 MB)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 25, Download

Content distribution networks (CDNs) have gained considerable attention in recent years. The main reason is the need for efficient content delivery, developing frameworks for carrying out CDN simulations. In this article we propose a simulation tool for content distribution networks, called *CDNsim*.

Keywords: Content distribution network, caching, services, trace-drive

5 [Enhanced hot spot detection heuristics for embedded java just-in-time](#)

 Seong-Won Lee, Soo-Mook Moon, Seong-Moo Kim, June 2008 **LCTES '08: Proceedings of the 2008 ACM SIGPLAN-SIGBED conference on language, compilers, and tools for embedded systems**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (388.85 KB)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 60, Download

Most Java just-in-time compilers (JITC) try to compile only hot methods at run time. This requires precise and efficient *hot spot detection*, which is a difficult task for embedded systems. In this paper we propose an enhanced hot spot detection heuristic for embedded Java just-in-time compilation.

Keywords: hot spot detection, j2me cdc, java just-in-time compilation.

Also published in:

June 2008 **SIGPLAN Notices** Volume 43 Issue 7

6 [Pixie: a jukebox architecture to support efficient peer content exchange](#)

 Sami Rollins, Kevin C. Almeroth, December 2002 **MULTIMEDIA '02: Proceedings of the tenth ACM international conference on Multimedia**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (433.57 KB)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 13, Download

Peer-to-peer (P2P) content exchange has recently gained attention from the research community. The main reason is the dynamic nature of peer networks and the resource constraints of peer nodes. In this paper we propose a peer content exchange architecture, called *Pixie*, which is designed to support efficient peer content exchange.

7 [URICA: Usage-aware Interactive Content Adaptation for mobile devices](#)

 Iqbal Mohamed, Jim Chengming Cai, Eyal de Lara, April 2006 **EuroSys '06: Proceedings of the 1st ACM SIGOPS/EuroSys E**

2006
Publisher: ACM
Full text available:  Pdf (717.27 KB) Additional Information: [full citation](#), [abs](#)
Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 36, Download

Usage-aware Interactive Content Adaptation (URI/CA) is an automatic technique to adapt content to mobile devices based on usage semantics. URI/CA allows users who are not willing to make a decision to take control of the ...

Keywords: content adaptation, customization, learning, mobile devices

Also published in:

October 2006 **SIGOPS Operating Systems Review** Volume 40 Issue 4

8 **Distributed content delivery using load-aware network coordinates**

 Nicholas Ball, Peter Pietzuch
December 2008 **CoNEXT '08: Proceedings of the 2008 ACM CoNEXT Conference**
Publisher: ACM  [Request Permissions](#)
Full text available:  Pdf (358.47 KB) Additional Information: [full citation](#), [abs](#)
Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 63, Download

To scale to millions of Internet users with good performance, content delivery systems need to balance the load between content servers while assigning clients to nearby servers. In this paper, we propose a system that associates synthetic ...

9 **Replication for web hosting systems**

 Swaminathan Sivasubramanian, Michal Szymaniak, Guillaume Pierre, Maarten Savenkov
September 2004 **Computing Surveys (CSUR)** , Volume 36 Issue 3
Publisher: ACM  [Request Permissions](#)
Full text available:  Pdf (374.99 KB) Additional Information: [full citation](#), [abs](#)
Bibliometrics: Downloads (6 Weeks): 33, Downloads (12 Months): 282, Download

Replication is a well-known technique to improve the accessibility of Web sites. It reduces network latencies and increases a site's availability. However, applying replication to mobile devices is challenging. In this paper, we propose a system for replicating content to mobile devices over Delivery Networks ...

Keywords: Web replication, content delivery networks

10 **Content sharing middleware for mobile devices**

Petros Belimpasisakis, Juha-Pekka Luoma, Mihaly Börzsei
February 2008 **MOBILWARE '08: Proceedings of the 1st international conference on Mobile Systems, Applications, and Services**
Publisher: ICST (Institute for Computer Sciences, Social-Informatics and Telecom
Full text available:  Pdf (706.62 KB) Additional Information: [full citation](#), [abs](#)
Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 100, Download

As mobile smart phones have evolved being converged devices, they are capable of high quality content, such as images, music and video. The need of providing content to these devices is increasing rapidly. In this paper, we propose a system for sharing content between mobile devices ...

content, lead to the ...

Keywords: Symbian, content, middleware, mobile devices, sharing

11 A social framework for content distribution in mobile transient networks

Benjamin Molina, Salvatore F. Pileggi, Carlos E. Palau, Manuel Esteve
June 2008 **UPGRADE '08: Proceedings of the third international workshop on development of content networks**

Publisher: ACM

Full text available:  Pdf (256.67 KB)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 89, Download

Transient networks are spontaneous networks that appear for a short period of time such as connectivity and content distribution among a small community of mobile devices. They are multimode by nature providing ...

Keywords: distributed and mobile transient network, intelligent agents in social network, web semantic

12 Service Scheduling of Vehicle-Roadside Data Access

Yang Zhang, Jing Zhao, Guohong Cao

February 2010 **Mobile Networks and Applications**, Volume 15 Issue 1

Publisher: Kluwer Academic Publishers

Full text available:  Pdf (515.08 KB)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 11, Download

As vehicular networks become popular, more and more people want to access data through a roadside unit, service scheduling is an important issue. In this paper, we identify some challenges ...

Keywords: data quality, roadside unit (RSU), scheduling, upload/download

13 Insight and perspectives for content delivery networks

George Palios, Athena Vakali

January 2006 **Communications of the ACM**, Volume 49 Issue 1

Publisher: ACM 

Full text available:  Html (32.84 KB),  Pdf (185.12 KB) Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 42, Downloads (12 Months): 289, Download

Striking a balance between the costs for Web content providers and the quality of the content is a major challenge for content delivery networks.

14 Large scale content distribution protocols

Christoph Neumann, Vincent Roca, Rod Walsh

October 2005 **SI GCOMM Computer Communication Review**, Volume 35 Issue 4

Publisher: ACM

Full text available:  Pdf (207.06 KB)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 71, Download

This paper introduces large scale content distribution protocols, which a users and providing low delay end-to-end delivery. Delivery of files and content streaming ...

15 [interactive television: new genres, new format, new content](#)

Jens F. Jensen

November 2005 **IE 2005: Proceedings of the second Australasian conference**

Publisher: Creativity & Cognition Studios Press

Full text available:  [Pdf \(248.67 KB\)](#)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 70, Downloads (12 Months): 508, Download

The aim of this paper is to discuss some of the main issues associated with the context of interactive television (ITV). First, a set of new forms or categories ...

Keywords: ITV advertising, Media Theory, T-commerce, art, design and television, electronic program guides, enhanced TV, games and betting, interactive, digital storytelling, internet at TV, networking (technical and personalized TV, the interactive viewer/user, video-on-demand

16 [Resource Management Strategies for the Mobile Web](#)

Claudia Canali, Michele Colajanni, Riccardo Lancellotti

April 2010 **Mobile Networks and Applications**, Volume 15 Issue 2

Publisher: Kluwer Academic Publishers

Full text available:  [Pdf \(474.33 KB\)](#)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 42, Downloads (12 Months): 52, Download

The success of the Mobile Web is driven by the combination of novel Web technologies and mobile devices that require personalization, location-awareness and content delivery ...

Keywords: Mobile Web, content adaptation, multimedia resources, personalization

17 [Peer assisted VoD for set-top box based IP network](#)

 Vaishnav Janardhan, Henning Schulzrinne

August 2007 **P2P-TV '07: Proceedings of the 2007 workshop on Peer-to-peer video delivery**

Publisher: ACM 

Full text available:  [Pdf \(143.36 KB\)](#)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 99, Download

IP-enabled set-top boxes are becoming key devices in home entertainment. STBs have been providing pay-per view service for a long time. Requirements at the source server ...

18 [The elements of nature: interactive and realistic techniques](#)

 Oliver Deussen, David S. Ebert, Ron Fedkiw, F. Kenton Musgrave, Przemyslaw Tessendorf

August 2004 **SIGGRAPH '04: SIGGRAPH 2004 Course Notes**

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf \(17.65 MB\)](#)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 254, Downloads (12 Months): 1407, Dov

This updated course on simulating natural phenomena will cover the latest research in simulating most of the elements of nature. The presenters will provide research perspectives ...

19 Storage optimization for a peer-to-peer video-on-demand network

 Jagadeesh M. Dyaberi, Karthik Kannan, Vijay S. Pai

February 2010 **MMSys '10: Proceedings of the first annual ACM SIGMM con**

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf \(678.01 KB\)](#)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 47, Downloads (12 Months): 90, Dov

This paper explores requirements for efficient pre-seeding of video-on-demand content in customer set-top boxes in a cable ISP environment. The pre-seeded content is stored in boxes in the same cable community ...

Keywords: bittorrent, experimental systems, multimedia streaming, networked video-on-demand

20 Drafting behind Akamai (travelocity-based detouring)

 Ao-Jan Su, David R. Choffnes, Aleksandar Kuzmanovic, Fabián E. Bustamante

August 2006 **SI GCOMM '06: Proceedings of the 2006 conference on Applications, technologies, protocols for computer communications**

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf \(664.20 KB\)](#)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 125, Dov

To enhance web browsing experiences, content distribution networks (CDNs) cache copies of web objects on thousands of servers worldwide. Addit

systems perform extensive ...

Keywords: Akamai, CDN, DNS, edge server, measurement reuse, one-

Also published in:

August 2006 **SIGCOMM Computer Communication Review** Volume 36 Issue

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